# SEARCH REQUEST FORM

# Scientific and Technical Information Center

Requester's Full Name:	ei Xo	Examiner #: >>	539 Date: 831104		
Art Unit: 2644 Pho	one Number 30	Serial Number:	10175381		
Location: OV 2 8	Results Format I	Preferred (circle): PAPER	DISK E-MAIL		
If more than one search is submitted, please prioritize searches in order of need.  **********************************					
Title of Invention:					
Inventors (please provide full names	):				
Earliest Priority Filing Date:	·		·		
*For Sequence Searches Only* Please in appropriate serial number.		129,613			
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STAFF USE ONLY	Type of Search	Vendors and cos	t where applicable		
Searcher: VCT	NA Sequence (#)	STN			
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Searcher Location:	Structure (#)	Questel/Orbit			
Date Searcher Picked Up: 8/31	Bibliographic	Dr.Link			
Date Completed: 8/3/1	Litigation	Lexis/Nexis	<u> </u>		
Searcher Prep & Review Time:	Fulltext	Sequence Systems			
Clerical Prep Time:	Patent Family	WWW/Internet	<u> </u>		
Online Time: 25	Other	Other (specify)			

## Query/Command: prt max legalall

1/1 PLUSPAT - @QUESTEL-ORBIT - image

PN - 🛱 US5729613 A 19980317 [US5729613]

TI - (A) Reverberators for use in wide band assisted reverberation systems

PA - (A) IND RES LTD (NZ)

PA0 - Industrial Research Limited, [NZ]

IN - (A) POLETTI MARK (NZ)

**AP** - US62454796 19960415 [1996US-0624547]

**FD** - PCT/NZ94/00110 19941017 [1994WO-NZ00110] WO95/10831 19950420 [WO9510831]

PR - WONZ9400110 19941017 [1994WO-NZ00110] NZ24897093 19931015 [1993NZ-0248970]

**IC** - (A) H03G-003/00

EC - G10K-015/12 H04S-003/02 H04S-005/00

PCL - ORIGINAL (O): 381063000; CROSS-REFERENCE (X): 084630000

**DT** - Corresponding document

US4338581; US4366346; US4803731; US5109419; US5131051; US5142586; US5247474; US5297210; US5530762; US5555306; US5621801; EP0335468; EP0480561; DE4022217; JP4348399; WO9323847
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STG - (A) United States patent

PCT No. PCT/NZ94/00110 Sec. 371 Date Apr. 15, 1996 Sec. 102(e) Date Apr. 15, 1996 PCT Filed Oct. 17, 1994 PCT Pub. No. WO95/10831 PCT Pub. Date Apr. 20, 1995A multi-channel reverberation system has a substantially constant multi-channel power gain at audio frequencies and comprises multiple signal inputs, one for each input channel, a number of comb filter networks connected to each signal input, each comb filter network including a feed forward stage, a cross-coupling network cross-coupling the comb filters to increase the reverberation echo density, and multiple signal outputs, one for each output channel. Preferably the feed forward stage of each comb filter provides a substantially constant multi-channel power gain at audio frequencies and the cross-coupling matrix is an orthogonal cross-coupling matrix cross-coupling a number of single channel allpass comb filters, positioned immediately before or after the delay lines, to create a multi-channel allpass comb filter with a unitary transfer function matrix at all frequencies.

1/1 LGST - ©EPO

PN - 🛱 US5729613 A 19980317 [US5729613]

**AP** - US62454796 19960415 [1996US-0624547]

ACT - 19960521 US/AS02-A

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: INDUSTRIAL RESEARCH LIMITED GRACEFIELD ROAD

LOWER; EFFECTIVE DATE: 19960411

19960521 US/AS02-A

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: POLETTI, MARK; EFFECTIVE DATE: 19960411

19980623 US/CC-A

CERTIFICATE OF CORRECTION

20040210 US/RF-A

REISSUE APPLICATION FILED

**EFFECTIVE DATE: 20031125** 

UP - 2004-08

1/1 CRXX - ©CLAIMS/RRX

PN - 5,729,613 A 19980317 [US5729613]

PA - Industrial Research Ltd NZ

ACT - 20031125 REISSUE REQUESTED ISSUE DATE OF O.G.: 20040210

REISSUE REQUEST NUMBER: 10/722385

**EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2743** 

Reissue Patent Number:

Search statement 6

# LEVEL 1 - 1 OF 1 PATENT

### UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5729613

**LEXIS-NEXIS Library: PATENT** File:

ALL

#### <=1> GET 1st DRAWING SHEET OF 4

March 17, 1998

Reverberators for use in wide band assisted reverberation systems

REISSUE: November 25, 2003 - Reissue Application filed Ex. Gp.: 2743; Re. S.N.

10/722,385 (O.G. February 10, 2004)

APPL-NO: 624547 (08)

FILED-DATE: April 15, 1996

GRANTED-DATE: March 17, 1998

CORE TERMS: reverberation, frequency, filter, matrix, sup, reverberator,

channel, comb, sub, microphone ...

LEXIS-NEXIS
Library: PATENT
File: CASES

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5,729,613 OR 5729613

LEXIS-NEXIS Library: PATENT File: JNLS

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5,729,613 OR 5729613

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For further explanation, press the H key (for HELP) and then the ENTER key.

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DIALOG(R) File 345: Inpadoc/Fam. & Legal Stat
(c) 2004 EPO. All rts. reserv.
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Basic Patent (No, Kind, Date): WO 9510831 Al 19950420 < No. of Patents: 005>
Patent Family:
    Patent No
                 Kind Date
                                 Applic No
                                            Kind Date
                 A1 19950504
                                    AU 9480060
    AU 9480060
                                                   A
                                                        19941017
                   T2 19970610
                                    JP 94511640
    JP 9505903
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    WO 9510831
                                    WO 94NZ110
                                                        19941017
                                                                 (BASIC)
Priority Data (No, Kind, Date):
    NZ 248970 A 19931015
WO 94NZ110 W 19941017
    NZ 274934 A 19941017
PATENT FAMILY:
AUSTRALIA (AU)
  Patent (No, Kind, Date): AU 9480060 Al 19950504
    IMPROVEMENTS IN REVERBERATORS FOR USE IN WIDE BAND ASSISTED
      REVERBERATION SYSTEMS (English)
    Patent Assignee: IND RES LTD
    Author (Inventor): POLETTI MARK
    Priority (No, Kind, Date): NZ 248970 A 19931015; WO 94NZ110 W
      19941017
    Applic (No, Kind, Date): AU 9480060 A
                                            19941017
    IPC: * G10K-015/08; H04R-027/00
    Derwent WPI Acc No: * G 95-161946
    Language of Document: English
JAPAN (JP)
  Patent (No, Kind, Date): JP 9505903 T2 19970610
    Priority (No, Kind, Date): WO 94NZ110 W 19941017; NZ 248970 A
      19931015
    Applic (No, Kind, Date): JP 94511640 A
                                             19941017
    IPC: * G10K-015/12; H03H-017/08
    Language of Document: Japanese
NEW ZEALAND (NZ)
  Patent (No, Kind, Date): NZ 274934 A
                                         19961028
    REVERBERATORS FOR WIDE BAND ASSISTED REVERBERATION SYSTEM (English)
    Patent Assignee: IND RESEARCH LTD
    Author (Inventor): POLETTI MARK
    Priority (No, Kind, Date): NZ 274934 A
                                            19941017; NZ 248970 A
      19931015
    Applic (No, Kind, Date): NZ 274934 A
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           G10K-015/12; H03H-017/04; H04R-027/00
    Derwent WPI Acc No: * G 95-161946
    Language of Document: English
UNITED STATES OF AMERICA (US)
  Patent (No, Kind, Date): US 5729613 A
                                          19980317
    REVERBERATORS FOR USE IN WIDE BAND ASSISTED REVERBERATION SYSTEMS
      (English)
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Patent Assignee: IND RES LTD

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Author (Inventor): POLETTI MARK (NZ)
   Priority (No, Kind, Date): NZ 248970 A
                                            19931015; WO 94NZ110 W
     19941017
   Applic (No, Kind, Date): US 624547 A
                                         19960415
   National Class: * 381063000; 084630000
   IPC: * H03G-003/00
   Derwent WPI Acc No: * G 95-161946
   Language of Document: English
UNITED STATES OF AMERICA (US)
 Legal Status (No, Type, Date, Code, Text):
    US 96624547
                       19960415 US REFW
                                               CORRESPONDS TO PCT
                    Α
                             APPLICATION (ENTSPRICHT PCT ANMELDUNG)
                             WO 9510831 P
   US 5729613
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                       19931015 US AA
                                              PRIORITY (PATENT)
                             NZ 248970 A
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                             WO 94NZ110 W
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                                              APPLICATION DATA (PATENT)
                              (APPL. DATA (PATENT))
                             US 624547 A 19960415
   US 5729613
                       19960521 US AS02
                                              ASSIGNMENT OF ASSIGNOR'S
                   Р
                             INTEREST
                             INDUSTRIAL RESEARCH LIMITED GRACEFIELD ROAD
                             LOWER HUTT 6009, NEW ZEALAND; POLETTI, MARK
                              : 19960411
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                                              PATENT
   US 5729613
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                       20040210 US RF
                                              REISSUE APPLICATION FILED
                              (REISSUE APPL. FILED)
                             DATE: 20031125
WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)
  Patent (No, Kind, Date): WO 9510831 A1 19950420
    IMPROVEMENTS IN REVERBERATORS FOR USE IN WIDE BAND ASSISTED
     REVERBERATION SYSTEMS (English)
   Patent Assignee: IND RES LTD (NZ); POLETTI MARK (NZ)
   Author (Inventor): POLETTI MARK (NZ)
   Priority (No, Kind, Date): NZ 248970 A
                                            19931015
   Applic (No, Kind, Date): WO 94NZ110 A 19941017
   Designated States: (National) AM; AT; AU; BB; BG; BR; BY; CA; CH; CN;
     CZ; DE; DK; EE; ES; FI; GB; GE; HU; JP; KE; KG; KP; KR; KZ; LK; LR;
     LT; LU; LV; MD; MG; MN; MW; NL; NO; NZ; PL; PT; RO; RU; SD; SE; SI;
     SK; TJ; TT; UA; US; UZ; VN
                                 (Regional) KE; MW; SD; SZ; AT; BE; CH;
     DE; DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG;
     CI; CM; GA; GN; ML; MR; NE; SN; TD; TG
   Filing Details: WO 130000 With international search report; Before
     expiration of time limit for amending the claims and to be
     republished in the event of the receipt of the amendments
    IPC: * G10K-015/08; H04R-027/00
    Derwent WPI Acc No: * G 95-161946; G 95-161946
    Language of Document: English
WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)
  Legal Status (No, Type, Date, Code, Text):
    WO 9510831
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                       19931015 WO AA
                                               PRIORITY (PATENT)
                             NZ 248970 A
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WO	9510831	P	19950420 WO AK DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED STATES CITED IN A PUBLISHED APPL. WITH SEARCH REPORT) AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU JP KE KG KP KR KZ LK LR LT LU LV MD MG MN MW NL NO NZ PL PT RO RU SD SE SI SK TJ TT UA US UZ VN
WO	9510831	P	19950420 WO AL DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITH SEARCH REPORT) KE MW SD SZ AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
WO	9510831	P	19950420 WO A1 PUBLICATION OF THE INTERNATIONAL APPLICATION WITH THE INTERNATIONAL SEARCH REPORT (PUB. OF THE INTERNATIONAL APPL. WITH THE INTERNATIONAL SEARCH REPORT)
WO	9510831	P	19950615 WO DFPE REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE
WO	9510831	P	19950719 WO 121 EP: PCT APP. ART. 158 (1) (EP: PCT ANM. ART. 158 (1))
WO	9510831	P	19960415 WO ENP ENTRY INTO THE NATIONAL PHASE IN: US 624547 A 19960415
WO	9510831	Р	19960814 DE 8642/REG WITHDRAWAL (ZURUECKNAHME)
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WO	9510831	P	19970615 WO NENP NON-ENTRY INTO THE NATIONAL PHASE IN:

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